

In the Specification:

Please **replace** the paragraph at **page 3, lines 22 to 25**, with a replacement paragraph amended as follows:

This nitrogen is a ~~substitutional~~ substitutional atomic impurity and in addition a nitrogen atom is larger in size than a carbon atom. This causes the diamond's cubic crystal structure to be partially distorted. Consequently the diamond is reduced in hardness and thermal conductance.

Please **replace** the paragraph at **page 18, lines 4 to 8**, with a replacement paragraph amended as follows:

The ~~remaining~~ remainder was 53% by weight of iron, 5% by weight of cobalt and 4.5% by weight of graphite, all in the form of high purity powder having a grain size of 50-100 microns. Note that the iron and the cobalt were blended at a ratio having a considerable degree of freedom. Furthermore for the seed crystal a (100) plane of abrasive grains of synthetic diamond served as a seed face.

[RESPONSE CONTINUES ON NEXT PAGE]